

Title (en)
Soil cultivating implements.

Title (de)
Bodenbearbeitungsgeräte.

Title (fr)
Machines pour le travail du sol.

Publication
EP 0166493 A2 19860102 (EN)

Application
EP 85201015 A 19850626

Priority
NL 8402020 A 19840627

Abstract (en)
A soil cultivating implement intended primarily for the production of seed beds comprises a row of power-driven rotary soil working members (3) which row extends substantially horizontally perpendicular to the intended direction of operative travel (A) of the implement and a ground roller (15) which is located to the rear of said row of members 3) with respect to the same direction A, the ground roller (15) being upwardly and downwardly displaceable in bodily level relative to the soil working members (3) by moving supporting arms (14), which carry it, about horizontally aligned pivot pins (23). In order to be able to use inexpensive parts to accomplish a change in the level of the ground roller (15) whilst rendering that operation simple and without requiring any great manual effort, supports (18) project rigidly upwardly and rearwardly from side plates (12) of a hollow frame portion which rotatably supports the soil working members (3) and each support (18) is embraced by the limbs of a narrow forked guide (16) that extends upwardly from a pivotal connection (17) to the corresponding supporting arm (14). Each guide (16) is formed with staggered rows of holes (20) and retaining pins can be entered through appropriate holes (20) beneath the lower edges of the supports (18) to determine the maximum upward pivotal movement of the supporting arms (14) about the aligned pivot pins (13) which is possible. If desired, further retaining pins may be entered through appropriate holes (20) immediately above the upper edges of the support (18). A screen (25) extends throughout the working width of the implement immediately in advance of horizontal carriers (4) of the soil working members (3) at the horizontal level of those carriers and has strip-shaped track-disruption means (26) adjustably secured to it to break up the wheel tracks of a tractor or other vehicle which moves the implement in the direction (A) when it is in use.

IPC 1-7
A01B 49/02; **A01B 33/06**

IPC 8 full level
A01B 33/06 (2006.01); **A01B 33/14** (2006.01); **A01B 49/02** (2006.01)

CPC (source: EP)
A01B 33/065 (2013.01); **A01B 33/146** (2013.01); **A01B 49/025** (2013.01)

Cited by
EP0256225A3; EP0271119A1; EP0427155A1; EP0244038B1

Designated contracting state (EPC)
AT CH DE FR GB IT LI NL

DOCDB simple family (publication)
EP 0166493 A2 19860102; **EP 0166493 A3 19870616**; **EP 0166493 B1 19900516**; AT E52646 T1 19900615; DE 3577632 D1 19900621; NL 8402020 A 19860116

DOCDB simple family (application)
EP 85201015 A 19850626; AT 85201015 T 19850626; DE 3577632 T 19850626; NL 8402020 A 19840627